§ 149.707 Applications for aids to navigation.

(a) 180 days before the installation of any structure at the deepwater port site the licensee must submit applications for obstruction lights and such other private aids to navigation appropriate for the particular construction site.

(b) 180 days before the commencement of oil transfer operations or changing the mooring facilities at the deepwater port the licensee must submit applications for private aids to navigation.

(c) Applications for private aids to navigation for deepwater ports must be submitted in accordance with § 66.01–5 of this chapter except that the applications must be submitted to the Commandant (G–M).

[CGD 75–002, 40 FR 52565, Nov. 10, 1975, as amended by CGD 88–052, 53 FR 25121, July 1, 1988]

SPECIFICATIONS FOR LIGHTS

§ 149.721 Light source.

Each light must have a tungsten-incandescent light source.

§ 149.723 Intensity.

(a) Each light on a buoy, hose string, and SPM must:

(1) Have at least the effective intensity required by this subpart for the light at all angles, the origin of which is the focal point of the light, that are included within ±1° from the focal plane of the light; and

(2) Have at least 50% of the effective intensity required by this subpart for the light at all angles, the origin of which is the focal point of the light, that are included within ±2° from the focal plane of the light.

(b) Each light on a platform, including the rotating lighted beacon, must:

(1) Have at least the effective intensity required by this subpart at all angles within ±0.5° of the horizontal plane that includes the focal point of the lens; and

(2) Have at least 50% of the effective intensity required by this subpart for the light at angles within ±1° of the horizontal plane that includes the focal point of the lens.

§ 149.724 Focus.

Each light using a lens must have a means to verify that the light source is at the focal point of the lens.

§ 149.725 Color.

The transparent cover of each light, including, where applicable, the top of the cover, must be uniform in color.

§ 149.727 Chromaticity.

The color emitted by a light at all angles, within the 50% effective intensity angle under § 149.723 must have chromaticity coordinates lying within the boundary defined by the corner coordinates in Table 149.727 when plotted on the International Commission on Illumination (CIE) Standard Observer Diagram.

TABLE 149.727—CHROMATICITY COORDINATES

Color	Chromaticity coordinates	
	x axis	*y* axis
White	0.285	0.332
	.453	.440
	.500	.440
	.500	.382
	.440	.382
	.285	.264
Green	.009	.720
	.284	.520
	.207	.397
	.013	.494
Red	.665	.335
	.645	.335
	.680	.300
	.700	.300
Yellow	.560	.440
	.555	.435
	.612	.382
	.618	.382

§ 149.729 Display of information.

(a) The following information must be displayed on each light:

(1) The manufacturer's name and date of manufacture.

(2) The model designation.

(3) The name of the manufacturer of the lamp to be used, and the manufacturer's ordering code for the lamp.

(4) The minimum voltage, measured at the input terminals of the lighting apparatus with the lamp burning, needed to operate the light in compliance with the intensity requirements of this subpart.